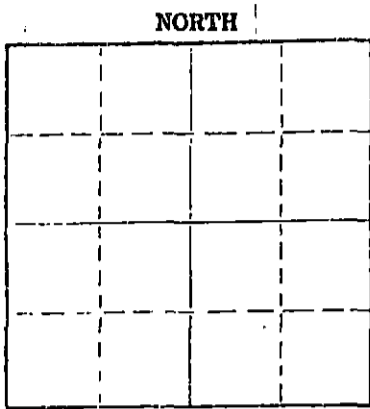


STATE OF KANSAS
STATE CORPORATION COMMISSION
CONSERVATION DIVISION
P. O. BOX 17027
WICHITA, KANSAS 67217

WELL PLUGGING RECORD



Stafford County, Sec. 8 Twp. 22 Rge. 13 ^W/_E (W)
Location as "NE/CNW&SW&" or footage from lines NW NE SE
Lease Owner Jay C. Boyer
Lease Name Schmidt #1 Well No.
Office Address Hays, Kansas 67601
Character of Well (completed as Oil, Gas or Dry Hole)
Date well completed 19____
Application for plugging filed 19____
Application for plugging approved 19____
Plugging commenced 5/17/75 19____
Plugging completed 6/2/75 19____
Reason for abandonment of well or producing formation depleted.

If a producing well is abandoned, date of last production 19____
Was permission obtained from the Conservation Division or its agents before plugging was commenced? yes Biberstein

Name of Conservation Agent who supervised plugging of this well
Producing formation _____ Depth to top _____ Bottom _____ Total Depth of Well 3797 1/2 feet
Show depth and thickness of all water, oil and gas formations.

OIL, GAS OR WATER RECORDS CASING RECORD

FORMATION	CONTENT	FROM	TO	SIZE	PUT IN	PULLED OUT
				8-5/8	252	none
				5 1/2"	3790	2251'

Describe in detail the manner in which the well was plugged, indicating where the mud fluid was placed and the method or methods used in introducing it into the hole. If cement or other plugs were used, state the character of same and depth placed, from _____ feet to _____ feet for each plug set.

Checked hole, ran sand to 3750' and ran 5 sacks cement. Loaded hole, shot pipe at 2814', 2875', 2814', 2754', 2695', 2632', 2570', 2508', 2437', 2377', 2316', 2252', pulled 71 joints. Allied pumped 10 sacks gel, 1 sack hulls and 100 sacks cement.

PLUGGING COMPLETE.

(If additional description is necessary, use BACK of this sheet)
Name of Plugging Contractor KNIGHT CASING PULLING CO., INC.
Address CHASE, KANSAS

STATE OF KANSAS COUNTY OF RICE ss.
NOEL J. KNIGHT (employee of owner) or (owner or operator) of the above-described well, being first duly sworn on oath, says: That I have knowledge of the facts, statements, and matters herein contained and the log of the above-described well as filed and that the same are true and correct. So help me God.

(Signature) *Noel Knight*
CHASE, KANSAS (Address)

Subscribed and sworn to before me this 9th day of June 1975

My commission expires
NOTARY PUBLIC
MARGARET MELCHER
Rice County, Ks.
My Comm. Exp. Feb. 15, 1979

Margaret Melcher
Notary Public.

JUN 11 1975 6-11-75

15-185-20364-0000

G E O L O G I C A L R E P O R T

SAN JUAN OIL CORPORATION

SCHMIDT # 1

NW/4 NE/4 SE/4 SECTION 8-22-13

STAFFORD COUNTY, KANSAS

RECEIVED
STATE CORPORATION COMMISSION
MAY 7 1975
CONSERVATION DIVISION
Wichita, Kansas

BY

J. E. JESPERSEN

PETROLEUM GEOLOGIST

15-185-20364-0000

J. E. Jespersen
PETROLEUM GEOLOGIST

BUS. PHONE 267-8248
HOME PHONE 884-8074
MORIL 264-7772
AREA CODE 816

OFFICENTER
287 LULU
WICHITA, KANSAS 67211

G E O L O G I C A L R E P O R T

SAN JUAN OIL CORPORATION

SCHMIDT # 1

NW/4 NE/4 SE/4 Section 8-22-13

STAFFORD COUNTY, KANSAS

ELEVATIONS: 1910' Kelly Bushing
1907' Derrick Floor
1905' Ground Level

CONTRACTOR: Cheyenne Exploration

COMMENCED: September 13, 1971

COMPLETED: September 24, 1971

ROTARY TOTAL DEPTH: 3792'

SURFACE CASING: 8-5/8" set @ 252' with 200 sacks.

OIL STRING CASING: 5-1/2" set @ 3790 with 150 sacks.

HOLE SIZE: 12-1/4" to 252'
7-7/8" from 252' to 3792' (RTD)

ELECTRIC LOGS: None

REMARKS:

A one foot drilling time log was plotted from 3000' to 3792' (Rotary Total Depth). Samples were caught from 3000' to 3792' (Rotary Total Depth).

Drilling was supervised by the geologist from 3300' to 3792' (Rotary Total Depth). Samples were evaluated microscopically by the examination of both wet and dry samples from 3200' to 3792' (Rotary Total Depth).

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Wichita, Kansas

Schmidt # 1
Page -2-

CHRONOLOGICAL HISTORY:

<u>Date</u>	<u>7 A. M. Depth</u>	<u>Remarks</u>
9-13-71	-	Spud 2:30 PM. Set 8-5/8" @ 252' with 200 sacks. Plug down 8:30 PM.
9-14-71	252	Anhydrite 773-795
9-15-71	1340	
9-16-71	1983	
9-17-71	2412	
9-18-71	2900	
9-19-71	3130	
9-20-71	3415	
9-21-71	3560	DST # 1
9-22-71	3645	DST # 2
9-23-71	3770	DST # 3
9-24-71	3792	DST # 4

BIT RECORD:

<u>Number</u>	<u>Size</u>	<u>Make</u>	<u>Type</u>	<u>Depth Out</u>	<u>Footage</u>	<u>Hours</u>
Surface	12-1/4		OSC	252	252	
1	7-7/8	SEC	S4T	1668	1416	14-1/2
2	7-7/8	SEC	S4T	1853	185	8-1/4
3	7-7/8	SEC	M4N	2088	235	8-1/4
4	7-7/8	SEC	M4N	2412	324	13
5	7-7/8	HTC	CIC	2605	193	7-1/2
6	7-7/8	SM	DGT	3110	505	20-1/2
7	7-7/8	SM	VI	3433	323	20-3/4
8	7-7/8	SM	V2	3645	212	20
9	7-7/8	SM	V2	3777	132	13-1/2

Schmidt # 1

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GEOLOGICAL FORMATION TOPS AND ZONES OF POROSITY:

A detailed lithologic log was maintained from 3273' to Rotary Total Depth. The following are formation tops, recoveries of drillstem tests, descriptions of reservoirs containing shows of oil and the description of reservoirs felt pertinent for the accumulation of hydrocarbons in the area. The depths given are interpolated from drillers measurements and measured from the Kelly Bushing.

	<u>HEEBNER</u>	<u>3273 -1363</u>
	<u>TORONTO</u>	<u>3294 -1384</u>
3294-3300	Limestone, buff, fine crystalline, fossiliferous, Cherty, fair vugular porosity, no shows. Judged this zone to be of no commercial value.	
	<u>DOUGLAS</u>	<u>3308 -1398</u>
	<u>BROWN LIME</u>	<u>3404 -1494</u>
	<u>LANSING</u>	<u>3419 -1509</u>
3420-3425	Limestone, cream, fine crystalline, oolitic, fossiliferous, fair interfossiliferous porosity, no shows. Judged this zone to be of no commercial value.	
3437-3447	Limestone, white, fine crystalline, slightly fossiliferous, slightly Cherty, poor to fair interfossiliferous and intergranular porosity, no shows. Judged this zone to be of no commercial value.	
3459-3463	Limestone, white to cream, fine crystalline, fossiliferous, slightly chalky, fair interfossiliferous porosity, no shows. Judged this zone to be of no commercial value.	
3480-3485	Limestone, buff, fine crystalline, fossiliferous, fair interfossiliferous porosity, no shows. Judged this zone to be of no commercial value.	
3503-3510	Limestone, buff, fine to medium crystalline, fossiliferous, oolitic, fair oolitic porosity, no shows. Judged this zone to be of no commercial value.	

Schmidt # 1
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3510-3519 Limestone, buff, fine to medium crystalline, fossiliferous, oolitic, fair oolitic porosity, no shows. Judged this zone to be of no commercial value.

3519-3534 Limestone, buff, fine crystalline, fossiliferous, oolitic, mottled, fair vugular and oolitic porosity, no shows. Judged this zone to be of no commercial value.

3545-3554 Limestone, buff, fine crystalline, oolitic, good oolitic porosity, very rare show brown live free oil, very rare spotted oil stain, no odor. This zone produces in the Silver Bell Pool. It was drillstem tested, see DST # 1, in this well and found to be of no commercial value.

DRILLSTEM TEST # 1

3543-3560

Initial Flow	30 minutes
Initial Shut In Pressure	849#/30 minutes
Final Flow	30 minutes
Final Shut In Pressure	849#/30 minutes
Flow Pressures	26#-42#/42#-59#
Recovered	45' thin mud

3565-3572 Limestone, light buff, fine crystalline, fossiliferous, slightly chalky, no shows, fair intergranular porosity. Judged this zone to be of no commercial value.

3582-3592 Limestone, cream, fine crystalline, oolitic, fair to good oolitic porosity, no shows. Judged this zone to be of no commercial value.

3605-3610 Limestone, cream, fine crystalline, fossiliferous, fair interfossiliferous porosity, fair show brown live free oil, spotted brown oil stain, no odor. This zone produces in the Silver Bell Pool. It was drillstem tested, see DST # 2, in this well and found to be of no commercial value.

3614-3621 Limestone, cream, fine crystalline, oolitic, fair oolitic porosity, no shows. This zone produces in the Silver Bell Pool. It was drillstem tested, see DST # 2, in this well and found to be of no commercial value.

Schmidt # 1
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DRILLSTEM TEST # 2

3603-3645

Initial Flow	30 minutes
Initial Shut In Pressure	0#/30 minutes
Final Flow	30 minutes
Final Shut In Pressure	0#/30 minutes
Flow Pressures	0#-0#
Recovered	20' mud

3665-3671

Limestone, buff, fine crystalline, earthy, fair inter-granular porosity, no shows. Judged this zone to be of no commercial value.

CONGLOMERATE

3700 -1790

VIOLA

3728 -1818

3728-3764

Chert, white, fresh to slightly tripolitic, poor spongy porosity, rare show brown live free oil, rare scattered light brown to gilsonitic oil stain, no odor. This zone carried an oil show, however, the quality of show and the apparent development of the reservoir do not merit any further testing.

SIMPSON SHALE

3764 -1854

SIMPSON SAND

3788 -1878

3788-3790

Sandstone, gray, fine to medium subround, friable, good show brown live free oil, spotted to saturated oil stain, fair odor. Tested this zone, see DST # 3, and recommend production pipe be set and this zone further tested.

DRILLSTEM TEST # 3

3762-3790

Initial Flow	30 minutes
Initial Shut In Pressure	1123#/30 minutes
Final Flow	30 minutes
Final Shut In Pressure	1136#/30 minutes
Flow Pressures	34#-50#
Recovered	50' muddy oil

Schmidt # 1
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3790-3792 Sandstone, gray, fine to medium subround, friable, good show brown live free oil, spotted to saturated oil stain, fair odor. Tested this zone, see DST # 4, and recommend this zone be further tested.

DRILLSTEM TEST # 43764-3792

Initial Flow	30 minutes
Initial Shut In Pressure	1138#/45 minutes
Final Flow	30 minutes
Final Shut In Pressure	1155#/45 minutes
Flow Pressures	34#-51#
Recovered	180' gas in pipe, 50' muddy oil

Strong blow throughout.

ROTARY TOTAL DEPTH3792 -1882

REMARKS AND RECOMMENDATIONS:

It is recommended that 5-1/2" oil string casing be set @ 3790' with 150 sacks and that the Simpson Sand be completed by open hole methods.

The Schmidt #1 well ran 5' low on the Lansing-Kansas City section; 18' low on the Viola and 7' low on the Simpson Shale as compared to the Kanorgal Oil Co. #1 Moses which is the east offset well. As compared to the wells in the Silver Bell Pool, which is located 1/2 mile east, the Schmidt #1 ran 22' low on the Lansing-Kansas City and flat to 30' low on the Simpson section. The Schmidt #1 ran approximately 10' high on the Lansing-Kansas City; flat on the Viola; and, 5' high on the Simpson as compared to the Kennilworth Pool which is located one mile southeast.

All shows of oil were drillstem tested in the Lansing-Kansas City section with negative results. The Viola section had a rare show, however, the development of the Chert did not merit any further testing.

Respectfully submitted,

J. E. Jespersen

San Juan Oil Company
 #1 Schmidt
 NW/4 NE/4 SE/4
 Sec 8-22-13W
 Stafford County, Kansas

Depth	Drilling Time	Remarks
3000-3010	3-3-3-3-3-3-2-3-3-3	
3011-3020	4-4-4-1-1-1-2-2-3-2	
3021-3030	2-2-2-2-2-2-1-1-1-2	
3031-3040	3-4-3-2-2-2-2-3-3-4	
3041-3050	3-4-3-3-5-5-3-3-3-3	
3051-3060	3-2-2-3-3-4-5-4-4-4	
3061-3070	4-4-4-4-4-4-4-6-5-4	
3071-3080	3-3-3-4-3-3-2-2-3-2	
3081-3090	5-6-8-3-2-4-4-5-5-3	
3091-3100	2-2-2-3-3-2-4-4-7-6	
3101-3110	7-6-7-7-5-6-6-5-6-4	Trip 3110
3111-3120	1-2-2-2-2-2-1-1-2-2	
3121-3130	2-2-1-2-4-5-3-3-3-4	
3131-3140	2-2-3-2-2-1-1-1-1-1	
3141-3150	1-2-2-1-3-2-2-2-3-4	
3151-3160	4-4-3-3-3-3-4-4-4-4	
3161-3170	4-4-4-3-4-3-4-3-2-2	
3171-3180	5-4-2-1-1-2-1-1-1-1	
3181-3190	1-1-2-2-3-1-1-1-1-1	
3191-3200	1-2-2-1-1-1-1-1-1-1	
3201-3210	1-1-1-2-3-3-4-4-4-4	
3211-3220	4-4-4-3-1-1-3-2-2-2	
3221-3230	2-2-2-2-2-2-2-2-2-2	
3231-3240	2-2-3-2-3-2-4-4-3-4	
3241-3250	6-7-9-5-6-5-9-9-5-6	
3251-3260	7-7-7-6-7-5-4-5-6-6	
3261-3270	7-7-5-6-6-6-7-7-6-7	
3271-3280	6-6-6-3-3-2-2-6-10-9	
3281-3290	9-7-8-4-6-4-3-4-4-3	
3291-3300	4-4-4-3-4-5-4-5-3-5	
3301-3310	6-6-6-6-6-6-7-7-4-3	
3311-3320	3-4-3-3-3-5-4-3-4-4	
3321-3330	4-4-4-4-4-4-3-4-4-4	
3331-3340	4-5-4-4-4-4-4-4-4-4	
3341-3350	4-4-4-3-3-3-2-3-3-2	

San Juan Oil Company
 #1 Schmidt
 NW/4 NE/4 SE/4
 Sec 8-22-13W
 Stafford County, Kansas

Depth	Drilling Time	Remarks
3351-3360	3-2-3-2-3-3-4-4-3-4	
3361-3370	4-5-3-4-4-5-6-5-5-4	
3371-3380	6-5-6-5-5-5-5-4-4-4	
3381-3390	5-5-6-3-5-4-5-5-3-5	
3391-3400	5-5-7-3-5-5-5-5-5-5	
3401-3410	4-5-5-5-8-8-5-6-8-5	
3411-3420	6-6-5-5-6-5-5-6-5-6	
3421-3430	10-6-7-6-6-7-8-9-8-7	
3431-3440	7-7-10-4-4-4-5-4-4-4	Trip 3434
3441-3450	4-4-4-4-4-3-4-3-3-3	
3451-3460	3-3-4-4-4-6-8-5-5-4	
3461-3470	4-4-4-5-5-3-4-5-6-5	Circ @3465
3471-3480	5-5-5-5-5-5-5-4-4-6	
3481-3490	5-5-5-5-5-6-6-5-3-3	
3491-3500	4-4-5-4-6-6-7-7-5-7	
3501-3510	6-7-4-4-3-2-3-3-3-2	Circ @3508
3511-3520	3-3-3-3-3-3-3-2-2-4	
3521-3530	4-4-4-4-5-4-5-6-3-4	
3531-3540	4-4-5-4-7-10-9-9-10-10	
3541-3550	8-6-9-6-7-4-1-1-1-1	
3551-3560	1/2 1/2 1-1-8-11-8-7-8-8	Circ @ 3560
3561-3570	8-7-7-6-9-7-7-6-8-8	
3571-3580	7-7-9-11-9-8-10-8-8	Circ @3575
3581-3590	6-5-1-2-2-2-6-9-8-3	
3591-3600	1-2-6-8-10-7-10-9-8-9	Circ @3600
3601-3610	6-10-9-11-10-5-7-6-6-7	
3611-3620	9-12-10-10-9-5-8-3-3-3	Circ @3620
3621-3630	3-9-11-10-10-12-10-10-11-10	
3631-3640	10-10-10-12-8-12-13-10-10-10	
3641-3650	15-12-11-12-12-9-8-4-4-7	Circ @ 3646 DST #1
3651-3660	5-7-4-4-5-5-5-3-4-4	
3661-3670	3-3-3-4-5-4-3-4-5-4	
3671-3680	4-6-7-6-7-7-7-7-5-7	
3681-3690	7-7-9-8-10-9-9-9-9-9	
3691-3700	9-8-6-6-6-8-9-8-9-11	
3701-3710	11-10-9-8-7-7-7-5-7-7	
3711-3720	8-7-7-6-4-4-7-4-3-3	
3721-3730	3-4-6-6-7-8-8-8-4-4	
3731-3740	4-4-5-4-3-4-3-4-3-5	
3741-3750	3-3-4-3-4-4-3-3-4-3	Circ @3780
3751-3760	4-3-3-4-3-4-4-4-4-4	
3761-3770	4-4-4-4-6-7-11-13-7-18	
3771-3780	12-11-10-11-11-11-11-5-7-6	Trip 3778
3781-3790	5-6-5-6-4-5-4-6-3-3	Circ @ 3790 DST #3
3791-3795	4-3-	Circ @3792 DST #4

RTD